Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"4785247".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 09:09
L2	0	(("signal generator" and receiver) with (share near3 coil)) and (drill adj (string pipe))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 09:11
L3	0	(("signal generator" with receiver) with (share near3 (coil))) and (drill adj (string pipe))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 09:12
L4	0	(("signal generator" same receiver) same (share near3 (coil))) and (drill adj (string pipe))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 09:12
L5	26	((("signal generator" oscillator generator) with receiver) with ((coil))) and (drill adj (string pipe))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 09:22
L6	40281	(((signal adj generator) oscillator generator) with receiver)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 09:26
L7	30967	(share or "same") near3 coil	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 09:26
L8	22	(((signal adj generator) oscillator generator) with receiver) with ((share or "same") near3 coil)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 10:06
L9	2	("5631562" "6426917").pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 10:07
S1	1	"6830467".pn.	USPAT	OR	OFF	2005/04/26 09:13
S2	1	"6717501".pn.	USPÁT	OR	OFF	2005/04/25 11:50
S 3	1	"20050046590"	US-PGPUB; USPAT	OR	OFF	2005/04/25 12:32

C 4		///0740668				
S4	112	("0749633" "2178931" "2197392"	US-PGPUB;	OR	OFF	2005/04/26 09:43
	}	"2249769" "2301783" "2354887"	USPAT			
		"2379800" "2414719" "2531120"				
		"2633414" "2659773" "2662123"				
		"2748358" "2974303" "2982360"	=)(=			
		"3079549" "3090031" "3170137"				
		"3186222" "3194886" "3209323"				
		•				
		"3227973" "3253245" "3518608"				
		"3696332" "3793632" "3807502"				
		"3879097" "3930220" "3957118"				
		"3989330" "4012092" "4087781"				
		"4095865" "4121193" "4126848"				
		"4215426" "4220381" "4348672"				
		"4445734" "4496203" "4537457"				
		•				
		"4578675" "4605268" "4660910"				
		"4683944" "4698631" "4722402"				
		"4785247" "4788544" "4806928"				
		"4884071" "4901069" "4914433"				
		"4924949" "5008664" "5052941"		•		
		"5148408" "5248857" "5278550"				
		"5302138" "5311661" "5332049"				
		"5334801" "5371496" "5454605"				
		•				
		"5455573" "5505502" "5517843"				
		"5521592" "5568448" "5650983"				,
		"5691712" "5743301" "5810401"				
		"5833490" "5853199" "5856710"	•			
		"5898408" "5908212" "5924499"				
		"5942990" "5955966" "5959547"				
		"5971072" "6030004" "6041872"				
		"6045165" "6046685" "6057784"				
		"6104707" "6108268" "6123561"				
		•				
		"6141763" "6173334" "6177882"				
		"6188223" "6196335" "6209632"				
		"6223826" "6367565" "6392317"			,	
		"6405795" "6641434" "6655464"				
		"6670880" "2178931" "2197392"				
		"2249769" "2301783" "2354887"				
		"2379800" "2414719" "2531120"				
		"2633414" "2659773" "2662123"				
		"2748358" "2974303" "2982360"				
		"0135179" "0193004" "0070842"				
		•				
	•	"0213598" "3079549" "3090031"				
		"3170137" "3186222" "3194886"]	
		"3209323" "3227973" "3253245"			!	
		"3518608" "3696332" "3793632"				
	1	"3807502" "3879097" "3930220"]	
		"3957118" "3989330" "4012092"				
		"4087781" "4095865" "4121193"				
		"4126848" "4215426" "4220381"				
Î		"4348672" "4445734" "4496203"				
		· · · · · · · · · · · · · · · · · · ·				
		"4537457" "4578675" "4605268"				
		"4660910" "4683944" "4698631"				
		"4722402" "4785247" "4788544"				
Ì		"4806928" "4884071" "4901069"				
		"4914433" "4924949" "5008664"				
		j"5052941"j"5148408"j"5248857"		:		
		<u> </u>		·		
arch H	listory 4/27	05 10.73.17 AM Dage 2				
,Docu	ments and Sett	7°5332049'7°53348614' "5371496" tings\ipatalpi\My Doctingents\FAST\Work	spaces\107087	75.wsp		

S5	55	S4 and (drill near3 string)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 13:49
S6	20	S5 and (transmission near3 (path line wire string))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 12:33
S7	15	S5 and (reflect\$3 TDR)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 13:49
S8	68	("2379800" "2411696" "3186222" "3205477" "3227228" "3233674" "3333239" "3930220" "4019148" "4087781" "4181014" "4215426" "4283780" "4293936" "4293937" "4298970" "4302757" "4320473" "4348672" "4363137" "4373582" "4387372" "4406919" "4468665" "4496174" "4525715" "4562559" "4578675" "4616702" "4617960" "4684946" "4691203" "4725837" "4739325" "47857157" "4766442" "4788544" "4800570" "4839644" "4845493" "4901069" "4908804" "4933640" "4968978" "5087099" "5130706" "5160925" "5268683" "5390748" "5394141" "5396232" "5448227" "5493288" "5530358" "5576703" "5583504" "5691712" "5914911" "6018501").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 15:53
S9	130	367/82,156,168.ccls. and (drill near4 (string line path))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 16:22
S10	36	367/82.ccls. and (reflect\$4) and electromagnetic	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 16:54
S11	1	367/82.ccls. and (reflect\$4) and electromagnetic and ((determin\$3 detect\$3 find\$3 locat\$4) near3 (interruption\$1 discontinuit\$3 short open fault\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 18:09

S12	2	367/82,156,168.ccls. and (reflect\$4) and electromagnetic and ((determin\$3 detect\$3 find\$3 locat\$4) near3 (interruption\$1 discontinuit\$3 short open fault\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 17:14
S13	1	S12 not S11	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 17:21
S14	1	324/642,644.ccls. and (drill near3 (string path line))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 17:21
S15	1	324/637,642,644.ccls. and (drill near3 (string path line))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 18:15
S16	1	324/338.ccls. and (electromagnetically adj coupled)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 17:45
S17	6	324/338.ccls. and (electromagnetic\$5 adj coupl\$3)	US-PGPUB; USPAT; USOCR	OR.	OFF	2005/04/25 17:47
S18	334	324/338.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 17:47
S19	0	367/82.ccls. and TDR	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 18:07
S20	1	367/82.ccls. and (reflect\$4) and ((determin\$3 detect\$3 find\$3 locat\$4) near3 (interruption\$1 discontinuit\$3 short open fault\$1 defect\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 18:10
S21	3	166/380.ccls. and (reflect\$4) and ((determin\$3 detect\$3 find\$3 locat\$4) near3 (interruption\$1 discontinuit\$3 short open fault\$1 defect\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 18:11
S22	1	"20020149501"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 18:11
S23	8	324/637,642,644.ccls. and TDR and (compar\$3 with reference)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 18:16
S25	5	"166"/\$.ccls. and (drill near3 (string\$1 path\$1 line\$1)) and (((shorted open) near2 (box pin) near2 end))	US-PGPUB; USPAT; USOCR; EPO	OR .	OFF	2005/04/26 09:21
S26	46	"166"/\$.ccls. and (drill near3 (string\$1 path\$1 line\$1)) and (((shorted open) near2 (box pin)))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/04/26 09:29

Search History 4/27/05 10:23:12 AM Page 4
C:\Documents and Settings\jnatalini\My Documents\EAST\Workspaces\10708775.wsp

S27	41	S26 not S25	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/04/26 09:22
S28	199	"166"/\$.ccls. and (drill near3 (string\$1 path\$1 line\$1)) and ((detect\$4 determin\$3 find\$3 locat\$3) near3 (short open))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/04/26 09:30
S29	39	"166"/\$.ccls. and (drill near3 (string\$1 path\$1 line\$1)) same ((detect\$4 determin\$3 find\$3 locat\$3) near3 (short open))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/04/26 09:33

						T		
S30	112		"2178931"		US-PGPUB;	OR	OFF	2005/04/26 09:43
			"2301783"		USPAT			
		"2379800"	"2414719"	"2531120"				
}		"2633414"	''2659773''	"2662123"				
Ì		"2748358"	"2974303"	"2982360!"				
		"3079549"	"3090031"	"3170137"				
		•	 "3194886"			[
1		•	 "3253245"			<u> </u>		
1		•	32332 13 "3793632"					
		•	3733032 "3930220"					
		•	•					
		· •	"4012092" "4121102"					
		-	"4121193" "4220204"					
		•	"4220381"					
			" 44 96203"					
	:	"4578675"	"4605268"	"4660910"				
		 "4683944"	"4698631"	"4722402"				
		"4785247"	"4788544"	"4806928"	•			
		"4884071"	''4901069''	"4914433"				
			"5008664"					
		•	 "5248857"					
		•	52 1005;					
		. · ·	"5371496" "5371496"					
		•	5571490 "5505502"					
		•	•					
		•	"5568448" !"5742201"					
		•	"5743301"			1		
	:		"5853199"					
			"5908212"			}		
		"5942990"	"5955966"	"5959547"				
		"5971072"	"6030004"	"6041872"				
		"6045165"	"6046685"	"6057784"			1	
		"6104707"	"6108268"	"6123561"				
		"6141763"	"6173334"	"6177882"				
		l"6188223"	"6196335"	"6209632"				
		•	"6367565"					
,		· · ·	"6641434"		·			
		•	"2178931"					
		•	2170331					
		•	2301703 "2414719"			-		
			•				ļ	
	:	_	"2659773" !"2074303"					
		•	"2974303" !"0103004"!					
Ì			"0193004"					
			"3079549"			:		
		•	"3186222"					·
		•	"3227973"					
		•	"3696332"					
		"3807502"	"3879097"	"3930220"				
1		"3957118"	["3989330"]	"4012092"				
1		,	"4095865"					
1		•	"4215426"					
-		•	"4445734"					
		•						[
		•	4370073 "4683944"					
		•	• .				•	
-		-	"4785247" !"4994071"					
į		•	''4884071" ''4034040"					'
		<u>-</u>	"4924949"					
		J"5052941"	"5148408"	"5248857"				
Search H	listony 4/27	5052941 <u> "5278550"</u> 05:5332049"	<u>"5302138" </u>	<u>"5311661" </u>				
:\Docur	ments and Sel	T5332049"	["533480]"]	"5371496"	spaces\107087	75 wsn		
\50cu	and Je	" "5454605"	["5455573"]	"5517843" ["]	wpucw (10/00/	, 5.113p		·
		IUCED1 FOOR	I"EEEQ44Q"I	וובפבחספטוו		}	1	1

531	0	S30 and ((shorted open) near2 box)	US-PGPUB; USPAT	OR	OFF	2005/04/26 09:44
S32	6	S30 and ((shorted open) near3 end)	US-PGPUB; USPAT	OR	OFF	2005/04/26 09:51
S33	1	"6670880".pn.	US-PGPUB; USPAT	OR	OFF	2005/04/26 09:50
534	27	(drill near3 (string path line)) and (location with (defect fault interruption))	US-PGPUB; USPAT	OR	OFF	2005/04/26 11:12
S35	27	340/854.4,855.2,854.9.ccls. and (drill near3 (string line path)) and (reflect\$3)	US-PGPUB; USPAT	OR	OFF	2005/04/26 11:25
S36	26	S35 not S34	US-PGPUB; USPAT	OR	OFF	2005/04/26 11:13

S37	112	("0749633" "2178931" "2197392"	US-PGPUB;	OR	OFF	2005/04/26 13:18
		"2249769" "2301783" "2354887"	USPAT			
		"2379800" "2414719" "2531120"				
		"2633414" "2659773" "2662123"	1			
		"2748358" "2974303" "2982360"	:			
		"3079549" "3090031" "3170137"				
		"3186222" "3194886" "3209323"				
		3100222 3131000 3203323				
		, · · · · · · · · · · · · · · · · · · ·				
		"3696332" "3793632" "3807502"				
		"3879097" "3930220" "3957118"				
		"3989330" "4012092" "4087781"				
		"4095865" "4121193" "4126848"				
•		"4215426" "4220381" "4348672"	1			
		"4445734" "4496203" "4537457"				
		''4578675" "4605268" "4660910"				
		"4683944" "4698631" "4722402"				
		4785247" 4788544" 4806928"				
		"4884071" "4901069" "4914433"	•			
		"4924949" "5008664" "5052941"				
		"5148408" "5248857" "5278550"				
		"5302138" "5311661" "5332049"				
		"5334801" "5371496" "5454605"				
		"5455573" "5505502" "5517843"				
		"5521592" "5568448" "5650983"				
		"5691712" "5743301" "5810401"				
		"5833490" "5853199" "5856710"				
		"5898408" "5908212" "5924499"				
		"5942990" "5955966" "5959547"				
		"5971072" "6030004" "6041872"				
		"6045165" "6046685" "6057784"				
		"6104707" "6108268" "6123561"				
		"6141763" "6173334" "6177882"				
		"6188223" "6196335" "6209632"				
	İ	"6223826" "6367565" "6392317"				
		6225020 6507505 6552517				
		, ·				
		"2249769" "2301783" "2354887"	•			
		"2379800" "2414719" "2531120"				
		"2633414" "2659773" "2662123"				
:		"2748358" "2974303" "2982360"			1	
	· .	"0213598" "3079549" "3090031"				
		"3170137" "3186222" "3194886"				
		· · · · · · · · · · · · · · · · · · ·				
		"3518608" "3696332" "3793632"				
		"3807502" "3879097" "3930220"				
		"3957118" "3989330" "4012092"				
		"4087781" "4095865" "4121193"				
		"4126848" "4215426" "4220381"				
		"4537457" "4578675" "4605268"				
]		"4660910" "4683944" "4698631"			1	
		"4722402" "4785247" "4788544"				
]		"4806928" "4884071" "4901069"			•	
		"4914433" "4924949" "5008664"				
		"5052941" "5148408" "5248857"				
Coardh	Hictory 4/2*	<u> "5278550" "5302138" "5311661"</u>	-		-	
1		(105, 513, 25, 46, 46, 46, 47, 48, 61, 61, 61, 61, 61, 61, 61, 61, 61, 61	tenness 10700	75 4400		
	uments and Se	יניווואס אוואלוואלווא יהחרוווול(ווס/בעטין אלוטנ	かっちゅってい ノコン・ログ	4/J.W5P	1	•